

Indian civilization is considered as one of the ancient human civilizations of the world. Its biggest contribution is the initiation and development of mathematics as a life skill which is of utmost relevance to the current era.

Significant contributions have been made by many Indian scholars in different fields of mathematics over an extended period of time. Ancient India succeeded in providing the mathematics with many interesting ideas well ahead of their appearance elsewhere in the world. The earliest Indian mathematical can be traced back to the Vedas.

Vedic mathematics is a collection of ancient Indian knowledge to solve arithmetic operations both effectively and efficiency in an enjoyable manner. It is a contribution of the great ancient Indian sages who have documented it in the Vedas. Through the years as the learning of the Vedas collected dust, the doctrines of Vedic mathematics faded from memory. Valuable heritage that was a single key to the mathematics solving, decision making and joyful learning was lost.

Vedic mathematics and Binary numbers are rediscovered by 143rd Shankaracharya, Shri Shri Bharati Krishna Tirthaji Maharaj of Govardhan Math, Puri; Odisha, during 1911 to 1918. His Holiness Jagdaguru Sankaracharya Swami Nischalananda Saraswatiji of Govardhan Pitha Puri, an eminent Vedic Mathematics scholar, has been the pioneer working in this field.

The Need for Vedic Mathematics

Its answer is very simple. Do we need to torture our progeny with maths phobia and clutter them with inferiority that they are not apt in solving problems of mathematics or do we need to instil in them that we can; we are from the nation where Zero was invented by Aryabhatta and decimal number system came into operation, which is used to widely in our daily concepts and life practices.

We may highlight of the features of Vedic mathematics as:

- *It helps solving mathematics 10 – 15 times faster in terms of time.
 - *It increases the decision making power and problem solving capacity.
 - *It helps in intelligent guessing (Knowing the answer without actually solving the problem).
 - *It is a magical tool to reduce scratch work and finger counting and improve mental calculations.
 - *It improves concentration and confidence of the learner.
- Assures a zero error technique.

Application of Vedic Mathematics in Present School Education

Vedic Maths is originated from the word 'Vedas' which means knowledge. It was first introduced by Shri BharatiKrsnaTirthaji. According to him, there are 16 sutras, 13 upa sutras and 3 kuta-sutras covering the whole chapters of mathematics. These thirty two sutras can be used for solving addition, subtraction, multiplication, division, Fractions in very simple method, square, square root, cube, cube root, factorisation of polynomials,(Quadratic, Cubic, Bi-quadratic equations of one variable, two variables and Three variables also), Division of polynomials, H.C.F. and L.C.M. of polynomials, Higher algebra, Solving of Linear Equations, Trigonometry, Geometry, Co-ordinate geometry, Calculus etc. in a very interesting and time saving shortcut method in all the

stages such as, Elementary , Secondary, and Higher secondary stages of school education.

A Glance at Purvamnaya Vaidikaganita Prasikshana Prakalpa

Purvamnaya Vaidikaganita Prasikshana Prakalpa is the name blessed by the 145th Shankaracharya H.H.Shreemaj jagadguru Shankaracharya Nischalananda Saraswatiji on 11 Dec' 2019 and His highness is the founder of this trust with Regd. No:- 1081914576/19.

In his able guidance the trusts takes the research into Vedic mathematics as its prime initiative. Aim of the trust is to promote, popularise and propagate Vedic mathematics among the students and teachers. Thus, it organizes classes at different schools, colleges and Universities of Odisha and train teachers and students with the nuances of Vedic mathematics. The trust organises camps, seminar and workshop online and off line at different villages and towns of Odisha and India to eradicate the fear of mathematics among the young minds to inculcate love for mathematics and choose mathematics as their carrier.

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